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October 15, 2004

andy Reisman

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: HANS VAN TOOR ET AL.

APPLICATION NO.: 10/7

10/750,457

FILED:

DECEMBER 31, 2003

FOR: LOW TRANS-FATTY ACID FAT

COMPOSITIONS; LOW-TEMPERATURE HYDROGENATION, E.G., OF EDIBLE OILS

The following:

EXAMINER: NOT YET ASSIGNED

ART UNIT: 1621

Conf. No: 4983

<u>Information Disclosure Statement Within Three Months of</u> <u>Application Filing or Before First Action – 37 C.F.R. § 1.97(b)</u>

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

1. Timing of Submission

This information disclosure is being filed within three months of the filing date of this application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever occurs last [37 C.F.R. § 1.97(b)]. The references listed on the enclosed Form PTO/SB/08a/b may be material to the examination of this application; the Examiner is requested to make them of record in the application.

2. Cited Information

\boxtimes	Cop	ies of the following references are enclosed:
	\boxtimes	All foreign patent documents and non-patent literature documents
	П	References marked by asterisks

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		All cited references References marked by asterisks The following:				
\boxtimes	No co	pies of U.S. patents nor published applications are enclosed.				
	The following reference is not in English. No translation or abstract h been found.					
		All cited references Reference marked by one asterisk The following:				
	under a com Autho be an for the tra accura	ollowing references are not in English. For each such reference, the signed has enclosed (i) a translation of the reference; (ii) a copy of imunication from a foreign patent office or International Searching rity citing the reference, (iii) a copy of a reference which appears to English-language counterpart, or (iv) an English-language abstract e reference prepared by a third party. Applicant has not verified that enslation, English-language counterpart or third-party abstract is an attempt of the teachings of the non-English reference, in, and reserves the right to demonstrate otherwise.				
		All cited references References marked by two asterisks The following:				
Lttoot	of Info	restion Disclosure Statement (27.0 F.D. \$ 4.07/h))				

Copies of the following references can be found in parent U.S. Application

3. Effect of Information Disclosure Statement (37 C.F.R. § 1.97(h))

This Information Disclosure Statement is not to be construed as a representation that: (i) a search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the cited information is, or is considered to be, material to patentability. In addition, applicant does not admit that any enclosed item of information constitutes prior art to the subject invention and specifically reserves the right to demonstrate that any such reference is not prior art.

4. <u>Fee Payment</u>

No fees are believed due because this Information Disclosure Statement is being filed before the mailing date of the first Office Action.

			cant further submits that r cation under 37 C.F.R. § 1.9	no fee is due in light of the following 97(e) (check only one):
			states that each item of inf a communication from a	R. § 1.97(e)(1), the undersigned hereby ormation submitted herewith was cited in foreign patent office in a counterpart re than three months prior to the filing of
		□ <u>.</u>	states that no item of infor communication from a fore application, or, to the k certification after making	.R. § 1.97(e)(2), the undersigned hereby mation submitted herewith was cited in a sign patent office in a counterpart foreign knowledge of the person signing the reasonable inquiry, was known to any 37 C.F.R. § 1.56(c), more than three this statement.
	Inform	nation (ermine that fees are due in order for this considered, the Commissioner is hereby sit Account No. 50-0665.
5.	<u>Paten</u>	t Term	Adjustment (37 C.F.R. § 1.7	704(d))
		was c applic individ	ited in a communication fromation and that this com	h item of information submitted herewith m a foreign patent office in a counterpart munication was not received by any the state of the
Date:_	_Octob	er 14	<u>, 2004</u>	Respectfully submitted, Perkins Coje LLP Edward S. Hotchkiss Registration No. 33,904

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PTO/SB/08a/b (08-03)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE er the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known Substitute for form 1449A/B/PTO 10/750,457-Conf. #4983 Application Number INFORMATION DISCLOSURE December 31, 2003 Filing Date STATEMENT BY APPLICANT Hans Van Toor First Named Inventor Art Unit 1621 (Use as many sheets as necessary) Not Yet Assigned **Examiner Name** of Attorney Docket Number Sheet 1 8 334498005US2

U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
		US-2002/0016519	02-07-2002	Cornelis Lok			
		US-3856710	12-24-1974	KARL J. MOULTON, ET AL.			
		US-4088603		JAMES L. CARTER, ET AL.			
		US-4134905	01-16-1979	JOHN M. HASMAN	i		
		US-4184982		WOLFGANG SCHROEDER, ET AL.			
		US-4188333		RAYMOND M. CAHEN			
		US-4209547	06-24-1980	DANIEL A. SCARPIELLO, ET AL.			
		US-4213882	07-22-1980	HERBERT KRANICH			
		US-4228088	10-14-1980	JAN KUIPER			
		US-4229361	10-21-1980	RAYMOND MARC CAHEN			
		US-4251672		JAMES L. CARTER			
		US-4260643	04-07-1981	WALTER M. COCHRAN			
		US-4263225	04-21-1981	JAMES L. CARTER			
		US-4278609	07-14-1981	JAN KUIPER			
		US-4307026	12-22-1981	JAN KUIPER			
		US-4317748	03-02-1982	JOHN TOROK			
		US-4326932	04-27-1982	ALBERT FROLING			
		US-4356197	10-26-1982	MICHAEL T. DEVITT			
		US-4385001	05-24-1983	BRUCE I. ROSEN	-		
		US-4399007	08-16-1983				
		US-4424162	01-03-1984	BRUCE I. ROSEN			
	·	US-4424163	01-03-1984	BRUCE I. ROSEN			
		US-4479902	10-30-1984				
		US-4510091		BRUCE I. ROSEN	-		
		US-4510092	04-09-1985	BRUCE I. ROSEN	-		
		US-4519951	05-28-1985	GAIL M. QUALEATTI			
		US-4547319	10-15-1985	GAIL M. QUALEATTI			
		US-4584139	04-22-1986	THOMAS J. GRAY			
		US-4590007	05-20-1986	JAMES R. TUCKER	-		
		US-4626604		ANDREW G. HILES			
		US-4666635	05-19-1987	HELMUT KLIMMEK			
		US-4670416	06-02-1987	HELMUT KLIMMEK			
		US-4725573	02-16-1988				
		US-4786402	11-22-1988				
		US-4847016	07-11-1989	GERD GOBEL			
		US-4871485	10-03-1989				
		US-4960960	10-02-1990	GEORGE E. HARRISON			
		US-4973430	11-27-1990				
		US-5087599		MARTHA J. P. BOTMAN	-		
	ļ	US-5112792	05-12-1992				
		US-5223470	,	HERMANUS J. BOUWMAN			

Date Considered

Sub	stitute for form 1449A/B/PT	го		Complete if Known		
				Application Number	10/750,457-Conf. #4983	
II.	IFORMATION	N DI	SCLOSURE	Filing Date	December 31, 2003	
S	TATEMENT I	3Y <i>A</i>	APPLICANT	First Named Inventor	Hans Van Toor	
				Art Unit	1621	
	(Use as many sh	eets as	necessary)	Examiner Name	Not Yet Assigned	
Sheet	2	of	8	Attorney Docket Number	334498005US2	

US-5225581	07-06-1993	PETER N. PINTAURO	
US-5298638	03-29-1994	GABRIELLA J. TOENEBOEHN	
US-5354877	10-11-1994	ARNO BEHR	
 US-5360920	11-01-1994	VICKI L. WEBER	
 US-5399792	03-21-1995	GUENTHER DEMMERING	
US-5463096	10-31-1995	CORNELIS M. LOK	
US-5492877	02-20-1996	GIUSEPPE GUBITOSA	
US-5498587	03-12-1996	GREGOR DECKERS	
US-5599376	02-04-1997	JOHN D. CAMP	
US-5674796	10-07-1997	HO-IN LEE	
US-5693835	12-02-1997	HIROAKI KONISHI	
US-5734070	03-31-1998	THOMAS TACKE	
US-5863589	01-26-1999	ROBERT M. COVINGTON	
US-5885643	03-23-1999	DHARMA KODALI	
US-5912041	06-15-1999	ROBERT M. COVINGTON	
US-5962711	10-05-1999	MAGNUS HARROD	
US-5981781	11-09-1999	SUSAN KNOWLTON	·
US-6113976	09-05-2000	RUTH G. CHIOU	
US-6129789	10-10-2000	HIROSHI KAWASE	
US-6218556	04-17-2001		
US-6229032	05-08-2001	PIERRE JACOBS	
US-6265596	07-24-2001	MAGNUS HARROD	
US-6365558	12-27-2001	KASTURI LAL	
US-6383992	05-07-2002	William Garmier	
US-6391369	05-21-2002	FRANK R. KINCS	
US-6420322	07-16-2002	DHARMA R. KODALI	
US-6452029	09-17-2002	GERARD HILLION	
US-6544579	04-08-2003	TODD LANDON	

		FOREI	GN PATENT	DOCUMENTS		
Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages	
Initials*	No.1	Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document	or Relevant Figures Appear	
		EP-0 021 527-B1	05-18-1983	Unilever NV		
		EP-0 021 528-B1	03-23-1983	Unilever NV		
		EP-0 114 704-A2	08-01-1984	Unilever PLC		
		EP-0 120 122-A2	10-03-1984	Olin Corporation		
		EP-0 215 563-A2	03-25-1987	Davy McKee (London)		
				Limited		
		EP-0 230 971-A2	08-05-1987	Henkel		
	**			Kommanditgesellschaft auf		
				Aktien		
		EP-0 246 366-A1	11-25-1987	The Procter & Gamble		
				Company		
		EP-0 277 230	08-10-1988	Rivers, Jacob		

Examiner	Date	
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Sub	estitute for form 1449A/B/PT	0		Complete if Known		
				Application Number	10/750,457-Conf. #4983	
IN	NFORMATION	I DI	SCLOSURE	Filing Date	December 31, 2003	
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				Art Unit	1621	
	(Use as many she	eets as	necessary)	Examiner Name	Not Yet Assigned	
Sheet	3	of	8	Attorney Docket Number	334498005US2	

	EP-0 291 303		Unilever NV/Unilever PLC	
	EP-0 300 018-B1	01-25-1989	Davy McKee (London)	
			Limited	
	EP-0 314 044-A2	05-03-1989	AIR PRODUCTS AND	
	·		CHEMICALS, INC.	
	EP-0 389 158	09-26-1990	UBE INDUSTRIES,	
			LTD. CONSIGLIO	
			NAZIONALE DELLE	
			RICERCHE ISTITUTO DI	
			RICERCHE SUI METODI E	
			PROCESSI CHIMICI PER LA	
			TRASFORMAZIONE E	
	ED 0 200 000	44 00 4000	L'ACCUMULO	-
	EP-0 398 668	11-22-1990	UNICHEMA CHEMIE	
	EP-0 429 995-A2	06-05-1991	BVJUNILEVER NV	
	EF-0 429 990-AZ	1881	HELIOS OLJARNA DOMZALE d.o.o.	
	** EP-0 472 918-A1	03-04-1992	HOECHST	
	** EP-0 4/2 918-A1	03-04-1992	AKTIENGESELLSCHAFT	
	EP-0 528 850-A1	03-03-1993	THE PROCTER & GAMBLE	
	27 0 020 000 711	00 00 1000	COMPANY	
	EP-0 534 524-A2	03-31-1993		
	EP-0 569 110-A1	11-10-1993	W.R. Grace & Co.Conn.	
	EP-0 572 081-A1	12-01-1993	Ministero Dell 'Universita' E	
			Della Ricerca Scientifica	
			Tecnologica	
	EP-0 654 074-B1	05-24-1995	The Proctor & Gamble	
			Company	
	EP-0 665 287-A2	08-02-1995		
			PRODUCTS CO., LTD.	ļ
	EP-0 674 698-A1		NORSK HYDRO A.S	
	EP-0 703 728-B1		CARGILL, INCORPORATED	
	** EP-0 745 116-B1	12-04-1996	Degussa Aktiengesellschaft	
	EP-0 757 031-A2	02-05-1997	Pfizer Inc.	
	EP-0 791 041-B1	08-27-1997	Poul Moller Ledel Ses-Og	
			Ingeniorrradgivning Aps	
	EP-0 831 713-B1	04-01-1998		
	EP-0 917 561-B1	05-25-1999	K.U. Leuven Research & amp;	
			Development	
	EP-0 921 728	06-16-1999		
	EP-1 057 887-A1		DANISCO A/S	
	EP-1 154 854-A1	11-21-2001	IMPERIAL CHEMICAL INDUSTRIES PLC	
	EP-0 114 704-B2		Unilever NV	
	WO-00/47320-A1	08-17-2000	Imperial Chemical Industries PLC	
Examiner			Date	
Signature			Considered	

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Sub	estitute for form 1449A/B/PT	·o		Complete if Known		
				Application Number	10/750,457-Conf. #4983	
IN	NFORMATION	1 DI	SCLOSURE	Filing Date	December 31, 2003	
S	TATEMENT E	3Y /	APPLICANT	First Named Inventor	Hans Van Toor	
				Art Unit	1621	
	(Use as many sh	eets as	s necessary)	Examiner Name	Not Yet Assigned	
Sheet	heet 4 of 8		Attorney Docket Number	334498005US2		

	WO-02/00815-A2	01-03-2002	Renewable Lubricants, Inc.	
	WO-03/080779-A1	10-02-2003	FUJI OIL EUROPE	
	WO-03/353152-A2	07-03-2003	FUJI OIL EUROPE	
	WO-03/59505-A1	07-24-2003	ARCHER-DANIELS-	
			MIDLAND COMPANY	
	WO-88/00855-A1	02-11-1988	RIVERS, Jacob, Boyd, Jr.	
	WO-88/05767	08-11-1988	Davy McKee (London)	
			Limited	
	WO-91/17667-A1	11-28-1991	THE PROCTER & GAMBLE	
			COMPANY	
	WO-94/03566-A1	02-17-1994	THE PROCTER & GAMBLE	
			COMPANY	
	WO-94/11472-A1	05-26-1994	NORSK HYDRO A.S	
	WO-94/15478-A1	07-21-1994	UNILEVER PLCJUNILEVER	
			NV	
	WO-95/00035-A1	01-05-1995	E.I. DU PONT DE NEMOURS	
			AND COMPANY	
	WO-95/00036-A1	01-05-1995		
			AND	
		Ĭ	COMPANY COVINGTON,	
			Robert, Melvin, Jr. JUNGER,	
			Ernie, H.	
**	WO-95/22591-A1	08-24-1995	Degussa et al.	
	WO-96/01304-A1	01-18-1996	Poul Moller Ledelses - og	
			Ingeniorradgivning APS	
	WO-97/43907-A1	11-27-1997	CARGILL, INCORPORATED	
	WO-98/54275-A2	12-03-1998	K. U. LEUVEN RESEARCH &	
			DEVELOPMENT	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

	NON PATENT LITERATURE DOCUMENTS						
		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²				
		"PRICAT Catalysts for the Hydrogenation of Edfible Oils,"					
		http://www.synetix.com/edibleoils/applications-edibleoils.htm, 2 pages July 25, 2003.					
		ANDERSON, J.A., et al., "Influence of the Support in the Selectivity of NI Clay Catalysts for					
		Vegetable Oil Hydrogenation," Amer Chemical Soc., 2485-2490 October 1993					

Examiner	Date
Signature	Considered

Sub	stitute for form 1449A/B/P	то		Complete if Known		
				Application Number	10/750,457-Conf. #4983	
IN	IFORMATIO	N DI	SCLOSURE	Filing Date	December 31, 2003	
S	STATEMENT BY APPLICANT			First Named Inventor	Hans Van Toor	
				Art Unit	1621	
	(Use as many s	heets as	necessary)	Examiner Name	Not Yet Assigned	
Sheet	5	of	8	Attorney Docket Number	334498005US2	

		ANDRADE, G.M.S., et al., "A Statistical Evaluation of the Effects of Process Variables During	
		Catalytic Hydrogenation of Passion Fruit (passiflora edulis) Seed Oil," Braz. J. Chem. Eng.,	
ļ		Vol. 15, No. 1, ISSN 0104-6632, 12 pages, March 1998.	
		BALAKOS, M.W., et al., "Catalyst characteristics and performance in edible oil hydrogenation,"	
		CATALYSIS TODAY 35 (4): 415-425 APR 11 1997.	
		BAYER, E., et al., "Selective Hydrogenation of Oleic Acid-Rich Oils in Aqueous-Medium by a	
		PVP-NI-Catalyst," Fett Wissenchaft Technologie-Fat Science Technology, March 1992, pp.	
		79-82, 94 (3), Konradin Industrieverlag GMBH, Germany.	
		BEHR, A., "Selective Hydrogenation of Multi-Unsaturated Fatty-Acids in the Liquid-Phase," Fett Wissenchaft Technologie-Fat Science Technology, Jan. 1993, pp. 2-11, 95(1), Konradin	- 1
		Industrieverlag GMBH, Germany.	
\vdash		BERNAS, A., et al., "Influence of Hydrogen Preactivation on the Linoleic Acid Isomerization	
		Properties of Supported Ruthenium Catalyst," 2003, pp. 3-10, Vol. 78, No. 1, Budapest.	
 		BHERING, D. et al., "Preparation of High Loading Silica-Supported Nickel Catalyst: Analysis	
		of the Reduction Step," Applied Catalysis A: General, 2002, pp. 55-64, 234 (1).	
	*	BREHM, A., et al., "Use of Platinum-Loaded Y-Zeolites as Catalysts for Hydrogenation of	
	^	Liquid and Low-Melting Fats," Chemie Ingenieur Technik, Dec. 1989, pp. 963-964, Vol. 61	
		(12).	
		CHOO, H.P., et al., "Activity and selectivity of noble metal colloids for the hydrogenation of	
		polyunsaturated soybean oil," J MOL CATAL A-CHEM 191 (1): 113-121 JAN 2 2003.	
		CHOO, H.P., et al., "Hydrogenation of palm olein catalyzed by polymer stabilized Pt colloids,"	
		Journal of Molecular Catalysis A: Chemical 165: 127-134 2001.	
		CHUNG, C.S. et al., "Catalyst Preparation and Support Effects for Triglyceride Hydrogenation	
		over Supported Nickel," J Chem. Tech. Biotechnol, 1987, pp. 15-30, Vol. 38, Great Britain.	
		DROZDOWSKI, B., et al., "Effect of rapeseed oil hydrogenation conditions on trans isomers	
1		formation," Eur. J. Lipid Sci. Technol. 102: 642-645 2000.	1
		FERRERAS, J.F., et al., "Influence of the Clay and the Nickel Content in Catalysts for	
		Vegetable Oil Hydrogenation," React. Kinet. Catal. Lett., Vol. 53, No. 1: 1-6 1994.	
		FILLION, B. et al. "Gas-liquid mass-transfer and hydrodynamic parameters in a soybean oil	
		hydrogenation process under industrial conditions," IND ENG CHEM RES 39 (7): 2157-2168	
		JUL 2000.	
		FILLION, B., et al., "Kinetics, Gas-Liquid Mass Transfer, and Modeling of the Soybean Oil	
		Hydrogenation Process," Ind. Eng. Chem. Res.: 697-709 2002.	
		FURLONG, K., "The Low Trans Challenge", Oils and Fats International, July 2004, pp. 30-31.	
		GONZALES-MARCOS, M.P., et al., "Nickel on Silica Systems. Surface Features and Their	
		Relationship with Support, Preparation Procedure and Nickel Content," APPL CATAL A-GEN	
		162 (1-2): 269-280 NOV 18 1997.	
		GONZALEZ-MARCOS, M.P., et al., Effect of Thermal Treatments on Surface Chemical	
		Distribution and Catalyst Activity in Nickel on Silica Systems," J MOL CATAL A-CHEM 120 (1-	
		3): 185-196, JUN 13, 1997.	
		GONZALEZ-MARCOS, M.P., et al., "Control of the Product Distribution in the Hydrogenation	
		of Vegetable Oils over Nickel on Silica Catalysts," The Canadian Journal of Chemical	
		Engineering, Vol. 76: 927-935 Oct. 1998.	
		GRAU, R. J., et al., "The Cup-and-Cap Reactor: A Device To Eliminate Induction Times in	
		Mechanically Agitated Slurry Reactors Operated with Fine Catalyst Particles," Ing. Eng. Chem.	
L		Res., Vol. 26, No. 1, 18-22, 1987.	

Examiner	Date
Signature	Considered

Substitute for form 1449A/B/PTO				Complete if Known		
				Application Number	10/750,457-Conf. #4983	
11	NFORMATION	I DI	SCLOSURE	Filing Date	December 31, 2003	
S	STATEMENT BY APPLICANT			First Named Inventor	Hans Van Toor	
				Art Unit	1621	
	(Use as many she	eets as	necessary)	Examiner Name	Not Yet Assigned	
Sheet	6	of	8	Attorney Docket Number	334498005US2	

HERRERO, J., et al., "Catalytic Behaviour of Rhodium Supported on Palygorskite, Silica and Titania in Oil Hydrogenation," Applied Catalysis A: General, 86: 37-43, 1992.	
HSU, N, et al., "Catalytic Behavior of Palladium in the Hydrogenation of Edible Oils," J AM OIL CHEM SOC, 65 (3): 349-356, Mar 1988.	
ILINITCH, O.M., "Nanosize Palladium Loaded Catalytic Membrane: Preparation and Cis-Trans Selectivity in Hydrogenation of Sunflower Oil," STUD SURF SCI CATAL 118: 55-61 1998.	
JART, A., "The magnetic field as an additional selectivity parameter in fat hydrogenation," J AM OIL CHEM SOC 74 (5): 615-617 MAY 1997.	
JOVANOVIC, D., et al., "Nickel hydrogenation catalyst for tallow hydrogenation and for the selective hydrogenation of sunflower seed oil and soybean oil," CATAL TODAY 43 (1-2): 21-28 AUG 13 1998.	
JOVANOVIC, D., et al., "The influence of the isomerization reactions on the soybean oil hydrogenation process," J MOL CATAL A-CHEM 159 (2): 353-357, 2000.	
JU, J.W., et al., "Effects of alcohol type and amounts on conjugated linoleic acid formation during catalytic transfer hydrogenation of soybean oil," J FOOD SCI 68 (6): 1915-1922 AUG 2003.	
JU, J.W., et al., "Formation of conjugated linoleic acids in soybean oil during hydrogenation with a nickel catalyst as affected by sulfur addition," J AGR FOOD CHEM 51 (10): 3144-3149, MAY 7, 2003.	
JUNG, M.O., et al., "CLA Formation in Oils During Hydrogenation Process as Affected by Catalyst Types, Catalyst Contents, Hydrogen Pressure, and Oil Species," JAOCS, Vol. 79, no. 5: 501-510 2002.	
JUNG, M.O., et al., "Effects of Temperature and Agitation Rate on the Formation of Conjugated Linoleic Acids in Soybean Oil during Hydrogenation Process," J. Agric. Food Chem.: 3010-3016 2001.	
KING, J., et al., "Hydrogenation of Vegetable Oils Using Mixtures of Supercritical Carbon Dioxide and Hydrogen," JAOCS, Vol. 78 no. 2 107-113 2001.	
KITAYAMA, Y., et al., "Catalytic Hydrogenation of Linoleic Acid over Platinum-Group Metals Supported on Alumina," JAOCS, Vol. 74, no. 5: 525-529 1997.	
KOSEOGLU, S.S., et al., "Recent Advances in Canola Oil Hydrogenations," J AM OIL CHEM SOC 67 (1): 39-47 JAN 1990.	
LIST, G.R., et al., "Hydrogenation of Soybean Oil Triglycerides: Effect of Pressure on Selectivity," JAOCS, Vol. 77, no. 3: 311-314 2000.	
M.B. Macher, A. Holmqvist, "Hydrogenation of palm oil in near-critical and supercritical propane," EUR J LIPID SCI TECH 103 (2): 81-84 FEB 2001.	
MANGNUS G., "Hydrogenation of Oils at Reduced TFA Content", Oils and Fats International, July 2004, pp. 33-35.	
MONDAL, K., et al., "Mediator-assisted electrochemical hydrogenation of soybean oil," Chemical Engineering Science: 2643-2656 2003.	
NAGLIC, M., et al., "Kinetics of Catalytic Transfer Hydrogenation of some Vegetable Oils," JAOCS, Vol. 75, no. 5: 629-633 1998.	
NELE, M., et al., "Preparation of high loading silica supported nickel catalyst: simultaneous analysis of the precipitation and aging steps," APPL CATAL A-GEN 178 (2): 177-189 MAR 22 1999.	
PARRY, J.D., et al., "The Hydrogenation of Triglycerides Using Supported Alloy Catalysts. I. Silica-Supported Ni-Ag Catalysts," J CHEM TECHNOL BIOT 50 (1): 67-80 1991.	

Examiner	Date	
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Sub	ostitute for form 1449A/B/PT	·o		Complete if Known		
				Application Number	10/750,457-Conf. #4983	
l IN	VEORMATION	1 DI	SCLOSURE	Filing Date	December 31, 2003	
S	STATEMENT BY APPLICANT			First Named Inventor	Hans Van Toor	
				Art Unit	1621	
	(Use as many sh	eets as	necessary)	Examiner Name	Not Yet Assigned	
Sheet	7	of	8	Attorney Docket Number	334498005US2	

	PARRY, J.D., et al., "The Hydrogenation of Triglycerides Using Supported Alloy Catalysts. II.
	Silica-Supported Pd-Cu Catalysts," J CHEM TECHNOL BIOT 50 (1): 81-90 1991.
	RAVASIO, N., et al., "Environmental friendly lubricants through selective hydrogenation of rapeseed oil over supported copper catalysts," Applied Catalysis A: General 233: 1-6 2002.
	SANTACESARIA, E., et al., "Role of mass transfer and kinetics in the hydrogenation of
	rapeseed oil on a supported palladium catalyst," Applied Catalysts A: General 116: 269-294
	1994.
	SCHOON, N.H., "Is a Low Trans Content Attainable by Conventional Hydrogenation of
	Vegatable Oils?", Oils-Fats-Lipids, Proceedings of the 21st World Congress of the
	International Society for Fat Research (ISF), The Hague: 155-158 October 1995.
	SIMON, P., et al., "A Simplified Horiuti-Polanyi Scheme for the Hydrogenation of
	Triacylglycerols," JAOCS, Vol. 68, no. 2: 74-78 February 1991.
	SMIDOVNIK, A., et al., "Catalytic Transfer Hydrogenation of Soybean Oil," JAOCS, Vol. 69,
	no. 5: 405-409 May 1992.
	SMIDOVNIK, A., et al., "Kinetics of Catalytic Transfer Hydrogenation of Soybean Oil," JAOCS,
	Vol. 71, no. 5: 507-511 May 1994.
	SUH, D.J., et al., "Nickel-alumina composite aerogels as liquid-phase hydrogenation
	catalysts," J NON-CRYST SOLIDS 285 (1-3): 309-316 JUN 1 2001.
	TAKEYA, K. et al., "Hydrogenation of Soybean Oil by Loop Reactor Equiped with Venturi
l	Nozzle," J JPN SOC FOOD SCI 42 (4): 237-247 1995.
	TAKEYA, K., et al., "Influence of Nitrogen Gas on Hydrogenation of Corn Oil .2. Novel Method
	of Edible oil Hydrogeneration," J JPN SOC FOOD SCI 43 (4): 417-422 1996.
	TAKEYA, K., et al., "Novel Method of Edible Oil Hydrogenation .1. Influence of Inert-Gases on
	Hydrogenation of Soybean Oil," J JPN SOC FOOD SCI 42 (6): 410-418 1995.
	TAKEYA, K., et al., "Soybean oil hydrogenation using hydrogen storage alloy .3. Novel method
	of edible oil hydrogenation," J JPN SOC FOOD SCI 43 (5): 502-509 1996.
	THOMSON, A., et al., "Silica-Supported Alloy Catalysts for Triglyceride Hydrogenation: The
	preparation and Properties fo Pd-Ag and Pd-Ni Systems," J CHEM TECHNOL BIOT 37 (4):
	257-270 1987.
	VELDSINK, J., "Selective Hydrogenation of Sunflower Seed Oil in a Three-Phase Catalytic
	Membrane Reactor," JAOCS, Vol. 78, no. 5: 443-446 2001.
	VELDSINK, J.W., et al., "Heterogeneous hydrogenation of vegetable oils: A literature review,"
	CATAL REV 39 (3): 253-318 1997.
	WANG, Y.Q., et al., "A natural seed oil rich in omega6 and omega3 fatty acids,"
	http://www.unl.ac.uk/ibchn/publication/pns01_wang_02.pdf, 1 page.
	WARNER, K., et al., "Electrochemical Hydrogenation of Edible Oils in a Solid Polymer
	Electrolyte Reactor. Sensory and Compositional Characteristics of Low Trans Soybean Oils,"
	JAOCS, Vol. 77, no. 10 1113-1117 2000.
	WEIDONG, A., et al., "The Electrochemical Hydrogenation of Edible Oils in a Solid Polymer
	Electrolyte Reactor. I. Reactor Design and Operation," JAOCS, Vol. 75, no. 8: 917-925 1998.
	WEIDONG, A., et al., "The Electrochemical Hydrogenation of Edible Oils in a Solid Polymer
	Electrolyte Reactor. II. Hydrogenation Selectivity Studies, JAOCS, Vol. 76, no. 2: 215-222
	1999.
	WRIGHT, A.J., et al., "Cis selectivity of mixed catalyst systems in canola oil hydrogenation,"
	Food Research International: 797-804 2003.
L	productive Search mile mational, 797-904 2000.

Signature Considered			
	Examiner	Date	
	Signature		

Subs	titute for form 1449A/B/P	то		Complete if Known		
				Application Number	10/750,457-Conf. #4983	
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				Art Unit	1621	
	(Use as many sheets as necessary)			Examiner Name	Not Yet Assigned	
Sheet	8	of	8	Attorney Docket Number	334498005US2	

YUSEM, G., et al., "Electrocatalytic hydrogenation of soybean oil in a radial flow-through	
Raney nickel powder reactor," Journal of Applied Electrochemistry: 989-997 1996.	
YUSEM, G.J., et al., "The Electrocatalytic Hydrogenation of Soybean Oil," JAOCS, Vol. 69, no.	
5: 399-404 May 1992.	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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